

# An Aesthetically Superior Versatile Noise Barrier

Northern Road

## Challenge

Lend Lease in conjunction with Abi Group required a noise attenuation wall along The Northern Road upgrade project. The project needed to meet strict specifications, including extended design life and impact resistance. Together with high acoustic performance, a key component of the solution was to maintain a superior aesthetic look.

## Solution

Modular Wall Systems worked to present a high performing and cost-effective solution. The unique GuardianWall™ incorporated AcustiMax™75 panels to comfortably exceed all requirements including the required 31+RW (Weighted Sound Reduction Index) ensuring outstanding noise abatement. But the stand-out feature of this wall was the cutting edge aesthetics. The customised design ensured a simple, singular beam footing that integrated with the existing retaining wall. A unique characteristic of the panels was a 'fit for purpose' UB infill by Modular Wall Systems that ensured a like finish on both sides, eliminating the inferior, yet common trait, of having a 'good' and 'bad' side. Given the benefits of GuardianWall™ requires no heavy lifting equipment at time of installation, contractors installed it with ease and within a very short time frame..



**Modular Wall**  
systems

**Industry Leader in Innovative  
and Cost-Effective Acoustic and  
Boundary Walls**

- Proven acoustic performance
- Cost effective
- Durable, lightweight modular construction
- Quick and easy installation
- Suited to environmentally harsh and remote locations



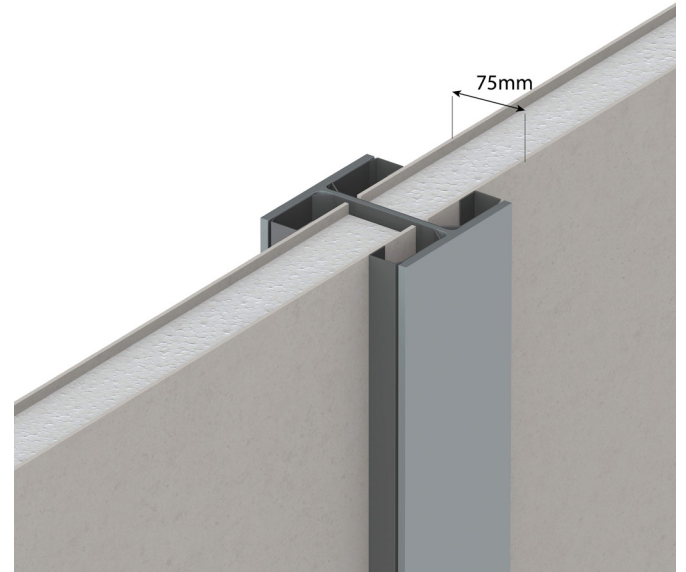
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## GuardianWall™ Construction



## GuardianWall™ Post



## Acoustic Qualities

All Modular Wall Systems products have acoustic properties and are National Acoustic Lab tested and rated with reflective panels achieving a 20+ dB improvement.

GuardianWall™ - Waste Transfer Station



GuardianWall™ - Power Station

